



<http://www.mn-arts.org/>

***Don't forget to sign up on the reflector!!***

### **From the President**

I am writing this the day after Thanksgiving. I had a great day with my family and I hope each of you did as well. I am reminded that we have many things to be thankful for including our families and, of course, our radio family - what a great hobby. It has something for everyone. I am especially grateful for my radio family at MN-ARTS. We are a like-minded group that enjoys the technical side of the hobby, and have a great time together doing it. We are constantly learning new things from each other's projects, insights, and presentations. I really enjoy seeing all of you each month.

To keep with the tradition of awesome presentations, this month (Dec 1) will be "Oscilloscopes 101" by our very own Gary Meyer, W0DYD. Bring all of your questions and expect to learn a lot from this expert. See more information in the newsletter.

And as a reminder, the December 1st meeting is when we hold our elections for 2013. At this point we have Larry Gaalaas, KB0R, for Vice President; Paul Bushouse, N0TYE, for Treasurer; and Tom Kent, WM0SS, for At-Large board member - each of these are for a two

year term. If you would have an interest in running for one of these positions, please email me asap. Next year we will hold elections for President and Secretary as we have staggered the elections to maintain some continuity from year to year.

So I hope to see you at the meeting. Please remember to bring your latest projects and stories to share.

73 de chuck ka8hde

### **December Presentation**

#### **TOPIC: Oscilloscopes 101**

The presentation will include basic fundamentals of oscilloscopes including both analog and digital types. The operation and theory of analog cathode ray oscilloscopes, digital storage scopes, and PC based scopes will be discussed. A demonstration of a digital storage oscilloscope and a PC based oscilloscope will be presented. Calibration and measurement applications will also be included.

Presenter: Gary C. Meyer – W0DYD – Shakopee, MN. Gary has repaired and calibrated 1000's of oscilloscopes while working for Honeywell in the early

1960's and Philips Test and Measuring Instruments in the 1970-1980's. He has also taught measurements and calibration (metrology) for 14 years at Ridgewater College in Hutchinson, MN, and currently teaches industrial seminars in metrology for his own company, J&G Technology.

His complete resume is available online at <http://www.jg-technology.com/resume1.html>

### **November 3, 2012 Meeting Minutes**

Chuck, KA8HDE, presided at 1:30. Introductions were made around the table.

24 were in attendance.

Minutes from the October 6, 2012 meeting were approved.

Treasurer's report: We have about \$800 in our account. There were not any expenses during the past month.

#### **Old Business:**

- Chuck, KA8HDE, reminded the group that elections would be held at the December meeting. The open positions are for VP, Treasurer and Board Member at Large. Paul Bushouse indicated that he would be willing to serve another term and Tom Kent offered to serve as the Board Member at Large.
- Larry, KB0R, suggested that the club consider participating in the Minnesota QSO party in February. With a little coordination we could have a

station in the parking lot as in the past and work SSB in addition to CW. This way there may be more participants. There was also some discussion about hosting a Special Event. The members were asked to consider what kind of event would help generate some publicity for the club and promote activity.

- Chuck, KA8HDE, offered to temporarily be the trustee for a club call sign.
- The February Build-a-Thon was discussed. Steve, NW0C and Chuck, KA8HDE offered to obtain a couple of kits and bring them in next month for inspection. We could then get a club order together.
- The members agree that it would be a good idea to obtain ARRL club affiliation as there is no cost involved. A motion was put forward and approved by all.

#### **New Business:**

- Jim, AJ0O, reminded the group that the Minnetonka club runs a net Tuesday evenings between 7 & 8 on the 145.45 repeater. All are welcome to sign in. They are also looking for a backup net control to help when Ernie, N0GDY, is unavailable.
- The St. Paul club will have an auction Saturday, January 26, 2013 at the Lady of Guadalupe Church.

- *Next meeting will be December 1st.*

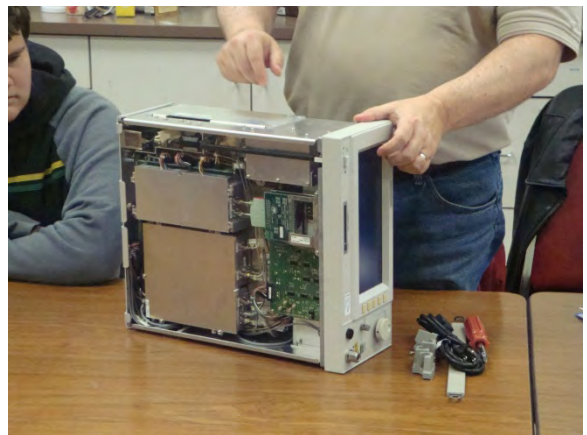
Business meeting adjourned at 2 PM.

### **Show & Tell**

- Ron Dodge, K0TC, passed out information about the CW sweepstakes which is a good contest for newbies. It was also a good way for obtaining new states. Ron gave some pointers on how to work the contest and explained how to get the latest sweepstake logging software.

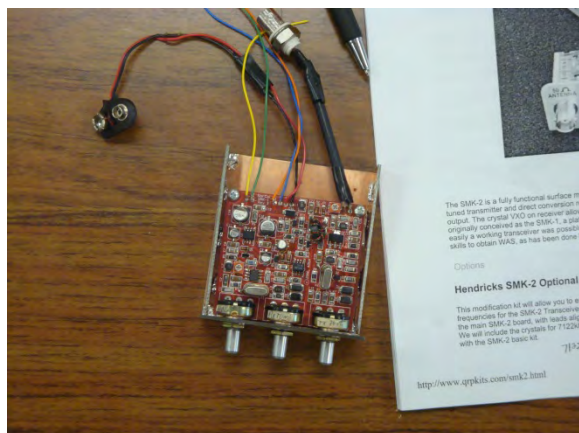


- Russ Ramirez, K0WFS, brought in an Agilent CDMA analyzer he recently obtained. It appears to be built by JRC. Russ pointed out a number of features and was hoping to get a problem with the display resolved so he could use it as a signal generator.

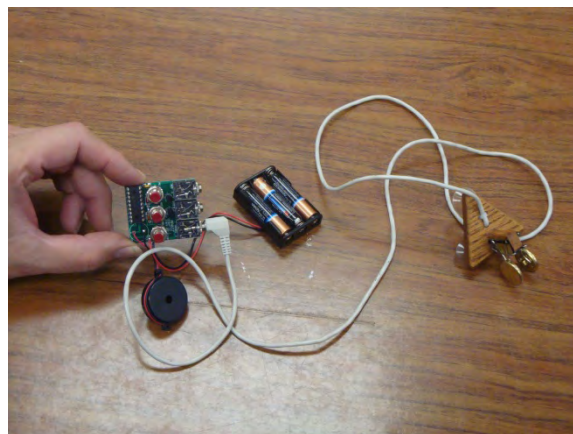




- Les Bearl, N0PPF, brought in his Hendricks SMK-2 40 meter 1 watt transceiver which he recently constructed. This kit was recommended for the February build-a-thon and now comes with a nice metal chassis and options for three crystal frequencies. More information can be found at: <http://www.qrpkits.com/smk2.html>

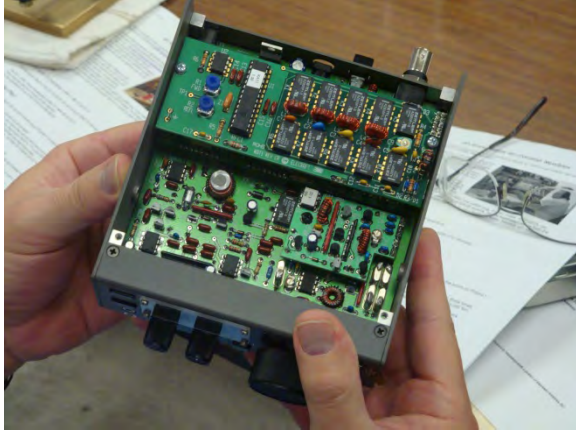


- Craig Johnson, AA0ZZ, showed us his latest keyer. One of the new features is an added delay which can be used to generate a beacon. Craig has upgraded chips available which also have a larger memory for the stored messages. The message switches have also been changed to a larger type. He gave us a nice demonstration of the device.



- Chuck Stroud, KA8HDE, brought in his newly completed Elecraft K1. He did a beautiful job with the construction and it includes the 15, 20, 30 & 40 meter bands. He has already made a number of contacts with it including Alaska.





- Jeremy Mooney, KC0LDI, showed us the potting compound he recently used for a power supply project. He said it was easy to work with and provided an example for us to examine.

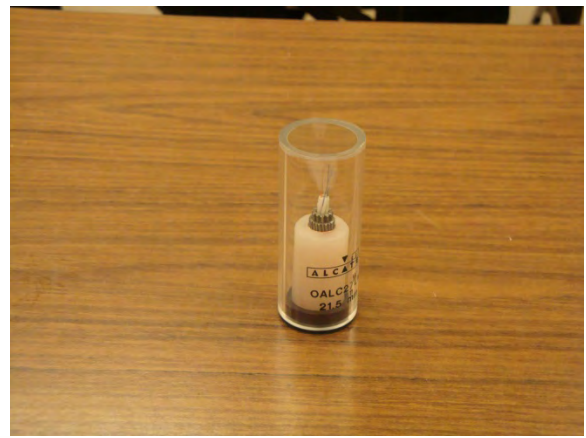


- Paul Bushouse, N0TYE, showed us a WiFi hotspot from [freedompop.com](http://freedompop.com). This is a 4G device which provides a WiFi connection. There is no charge for usage under 500 Mb/month.



- Kurt Nordwall, KD0LKC, brought in three new straight keys he recently built. These are big and heavy! The craftsmanship is beautiful!! Kurt also shared some Morse code history from his recent trip to England which included the Port Cornet Telegraphy Museum. He also visited the site of Marconi's first transatlantic radio site. Kurt will be putting a presentation together about the museum and related matter. He also brought in samples of transatlantic cable which ranged from very early to modern optical.





Early underwater cable

Modern underwater cables

## **November Presentation**

Dave Kent, W0RU, recently took a trip out east and visited W1AW. Dave shared his experience and a number of pictures he took. He also brought back a video produced by the ARRL about the station. This was very informative and enjoyed by everyone. Dave had a great time visiting and operating W1AW. He encouraged everyone to fit in a visit if at all possible.



Respectfully submitted,  
Steve, NW0C

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### ***Club Officers:***

*President: Chuck Stroud/KA8HDE*  
*Vice Pres: Larry Gaalaas/KB0R*  
*Secretary: Steve Ulrich/NW0C*  
*Treasurer: Paul Bushouse/N0TYE*  
*At Large: Jay Taylor*

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